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PLAGUE-PREVENTION WORK.

INFECTED GROUND SQUIRRELS.

During the week ended April 22, 1911, the finding of two plague-infected ground squirrels was reported as follows: In Alameda County, Cal., April 18, at M. J. Cull ranch, 7½ miles north of Haywards, one squirrel; in Stanislaus County, Cal., April 10, at Miller ranch, 3 miles south of Ripon, one squirrel.

DISTRIBUTION OF POISON.

In connection with the making of a squirrel-free zone around the cities of California on San Francisco Bay 2,285 acres of land in Alameda County were covered with poison during the week ended April 22, 1911.

Record of Plague Infection.

Places.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number of rodents found infected since May, 1907.
California:				
Cities—				
San Francisco.....	Jan. 30, 1908.....	Oct. 23, 1908.....	None.....	398 rats.
Oakland.....	Oct. 26, 1909.....	Dec. 1, 1908.....	do.....	126 rats.
Berkeley.....	Aug. 28, 1907.....	None recorded.....	do.....	None.
Los Angeles.....	Aug. 11, 1908.....	None.....	Aug. 21, 1908.....	1 squirrel.
Counties—				
Alameda (exclusive of the city of Oakland).	Sept. 26, 1909.....	{ Wood rat, Oct. 17, 1909.	{ Apr. 18, 1911.....	{ 99 squirrels.
Contra Costa.....	July 21, 1908.....	None.....	Apr. 3, 1911.....	1 wood rat.
Merced.....	None recorded.....	do.....	Mar. 20, 1911.....	248 squirrels.
Monterey.....	do.....	do.....	June 6, 1910.....	3 squirrels.
San Benito.....	June 5, 1910.....	do.....	July 11, 1910.....	4 squirrels.
San Joaquin.....	None recorded.....	do.....	Jan. 9, 1911.....	20 squirrels.
San Luis Obispo.....	do.....	do.....	Jan. 29, 1910.....	11 squirrels.
Santa Clara.....	Aug. 23, 1910.....	do.....	Oct. 5, 1910.....	1 squirrel.
Santa Cruz.....	None recorded.....	do.....	May 17, 1910.....	23 squirrels.
Stanislaus.....	do.....	do.....	Apr. 10, 1911.....	3 squirrels.
Washington:				
Seattle.....	Oct. 30, 1907.....	Feb. 8, 1910.....	None.....	11 squirrels.
				22 rats.

Rats Collected and Examined for Plague Infection.

Place.	Week ended—	Found dead.	Total collected.	Examined.	Found infected.
California:					
Cities—					
Berkeley.....	Apr. 22		1 98	47	
Oakland.....	do.	44	2 502	376	
San Francisco.....	do.	1	3 1,455	970	
Counties—					
Alameda.....	do.		4 1	1	
Washington:					
Cities—					
Seattle.....	do.		1,095	951	
Total.....		45	3,151	2,345	

¹ Identified, *Mus norvegicus* 53, *Mus musculus* 45.

² Identified, *Mus norvegicus* 457, *Mus rattus* 1, *Mus musculus* 88.

³ Identified, *Mus norvegicus* 791, *Mus rattus* 140, *Mus musculus* 385, *Mus alexandrinus* 139.

⁴ Identified, *Mus norvegicus* 1.

Squirrels Collected and Examined for Plague Infection.

Place.	Week ended—	Trapped and shot.	Found dead.	Examined.	Found infected.
California:					
Counties—					
Alameda.....	Apr. 22	285	2	286	1
Butte.....	do.	2		2	
Colusa.....	do.	88		88	
Contra Costa.....	do.	30		30	
Fresno.....	do.	92		92	
Imperial.....	do.	193		191	
Kern.....	do.	28		28	
Lake.....	do.	60		60	
Los Angeles.....	do.	289	2	276	
Madera.....	do.	331		325	
Mariposa.....	do.	139		137	
Merced.....	do.	89		86	
Monterey.....	do.	742	30	758	
San Benito.....	do.	175		170	
San Joaquin.....	do.	307		301	
San Luis Obispo.....	do.	282		279	
Santa Clara.....	do.	278		275	
Sonoma.....	do.	15		15	
Stanislaus.....	do.	187		187	1
Tehama.....	do.	43		43	
Yolo.....	do.	55		55	
Total.....		3,710	34	3,684	2

Other Animals Collected and Examined.

Place.	Week ended—	Animals collected.	Examined.	Found infected.
California:				
Cities—				
San Francisco.....	Apr. 22	1 gopher.....	1	
Counties—				
Butte.....	do.	1 rabbit.....	1	
Fresno.....	do.	4 rabbits, 1 owl.....	5	
Imperial.....	do.	11 rabbits, 1 kangaroo rat.....	12	
Kern.....	do.	1 rabbit, 3 kangaroo rats, 2 chipmunks.....	6	
Lake.....	do.	3 rabbits, 1 chipmunk.....	4	
Los Angeles.....	do.	3 rabbits.....	3	
Madera.....	do.	7 rabbits.....	7	
Mariposa.....	do.	4 rabbits.....	4	
Merced.....	do.	3 rabbits.....	3	
Monterey.....	do.	1 kangaroo rat.....	1	
San Benito.....	do.	1 weasel.....	1	
San Joaquin.....	do.	21 rabbits, 1 weasel.....	22	
San Luis Obispo.....	do.	5 rabbits.....	5	
Santa Clara.....	do.	3 gophers.....	3	
Sonoma.....	do.	1 rabbit.....	1	
Stanislaus.....	do.	3 rabbits.....	3	
Yolo.....	do.	1 rabbit.....	1	
Total.....			83	